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Approved for use through 9/30/2001, OMB 0651-0032 idemark Office: 11.5 DEBARTATION COMB 0651-0032

Patent and Trademark Off	fice: U.S. DEPARTMENT OF COMMERCE	
Attorney Docket Number	23085-08237	0
First Named Inventor	Avetik Harutyunyan	711
Title	Methods for Preparation of One- Dimensional Carbon Nanostructures	/658
Express Mail Label No.	EV 334 257 613 US	

## **NEW UTILITY PATENT APPLICATION TRANSMITTAL**

incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS   00758	(only for new nonprovisional applications under				Dimensional Carbo	n Nanostructures			
1.	37 CFR 1.53(b))		Express M	lail Label No.	EV 334 257 613 US				
2. Applicant claims small entity status. See 37 CFR 1.27 3. Specification I Colar Pages 32 (preferred arrangement set forth below) Descriptive Title of the Invention Cross Reference(s) to Related Case(s) Statement Regarding Fed sponsored R & D Background of the Invention Brief Summary of the Invention Brief Summary of the Invention Brief Summary of the Invention Claims Abstract of the Disclosure Abstract of the Disclosure Abstract of the Disclosure Drawing(s) (35 U.S.C. 113) Total Sheets Detailed Description of Total Pages 2 Copy from a prior application of Total Pages 2 Description Data Sheet. See 37 CFR 1.63(d)) Inforcentination Data Sheet. See 37 CFR 1.63(d); One Continuation Data Sheet. See 37 CFR 1.76  ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450  B. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76: Continuation Disclosure (CIP) of prior application nonly be relied upon when a protion has been inadvently omitted from the supplication in special proportion of the Disclosure of the prior application on only be relied upon when a protion has been inadvently omitted from the supplication parts.  Name (Print/Type) Narinder S. Banait  Registration No. (Attomey/Agent) 43,482	APPLICATION ELEMENTS			ACCOMPANYING APPLICATION PARTS					
Coreferred arrangement set forth below	2. Applicant cla	aims small entity status.		1 ''	Certified Copy	of Priority Document	· ·		
■ Descriptive Title of the Invention □ Cross Reference(s) to Related Case(s) ■ Statement Regarding Fed sponsored R & D ■ Background of the Invention ■ Brief Description of the Drawing(s) ■ Detailed Description □ Claim or Claims ■ Abstract of the Disclosure 4. ☑ Drawing(s) (35 U.S.C. 113) Total ■ Sheet Statement Regarding Fed Sponsored R & D ■ Claim or Claims ■ Abstract of the Disclosure 4. ☑ Drawing(s) (35 U.S.C. 113) Total ■ Sheets 5. Oath or Declaration ■ ☑ New Declaration ■ ☑ New Declaration ■ ☑ New Declaration ■ ☑ Deterior No. (and the processing of the prior application and in the prior application see 37 CFR 1.53 (d)) (for continuation-divisional with Box 15 completed) □ ☐ DELETION OF INVENTOR(S) □ Signed statement attached deleting inventor(s) named in the prior application see 37 CFR 1.63 (d)) (2) and 1.33 (b).  6. ☐ Application Data Sheet. See 37 CFR 1.76  ADDRESS TO:  Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Alexandria, VA 22313-1450  18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application information: Examiner: □ ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: □ ☐ Prior application information: Examiner: □ ☐ Continuation: Examiner: □ ☐	3. Specification	on Total P	ages 32	9.	Power of Atto	rney or Authorization	of Agent		
■ Detailed Description Claim or Claims ■ Abstract of the Disclosure  4. ☑ Drawing(s) (35 U.S.C. 113) Total Sheets  5. Oath or Declaration a. ☑ New Declaration Total Pages 2 ☐ Executed (original or copy)  b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. ☐ DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application. see 37 CFR 1.63(d)(2) and 1.33(b).  6. ☐ Application Data Sheet. See 37 CFR 1.76  ### ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450  18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76: ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: ☐ Prior application information: Examiner: ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  Name (Print/Type) Narinder S. Banait Registration No. (Attomey/Agent) 43,482	Descriptive Cross Reference Statement Rescription Brief Summa	ent set forth below) Title of the Invention ence(s) to Related Case(s) Regarding Fed sponsored R of the Invention ary of the Invention		11.	37 CFR 3.73(t	b) Statement mendment sclosure Statement & ppies of IDS Citation(s	PTO/SB/08A		
4. Drawing(s) (35 U.S.C. 113) Total Sheets  5. Oath or Declaration a. New Declaration Total Pages 2	<ul><li>Detailed Des</li><li>Claim or Cla</li></ul>	scription iims	•	13.	(b)(2)(B)(i). App	licant must attach fo			
Sheets  5. Oath or Declaration  a. New Declaration  Total Pages  16.	Abstract of t	ne Disclosure		14.	Return Pos	stcard			
a. New Declaration    Executed (original or copy)   Executed (original original orig	4. Drawing(s)		5	15.		•			
Executed (original or copy)  b. Copy from a prior application (37 CFR 1.63(d))    (for continuation/divisional with Box 18 completed)    i. DELETION OF INVENTOR(S)     Signed statement attached deleting inventor(s)     named in the prior application, see 37 CFR    1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  ADDRESS TO:    Mail Stop Patent Application    Commissioner for Patents    P.O. Box 1450    Alexandria, VA 22313-1450  18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:    Continuation Divisional Continuation-in-part (CIP) of prior application No:  Prior application information: Examiner:    Group/Art Unit:    For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  Name (Prini/Type) Narinder S. Banait Registration No. (Attomey/Agent) 43,482	5. Oath or Declarat	. •		16.					
b.	a. 🛛 New Decla	aration Total P.	ages 2	17.					
(for continuation/divisional with Box 18 completed)  i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450  18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No: Prior application information: Examiner: Group/Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an eath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  Name (PrinVType) Narinder S. Banait Registration No. (Attorney/Agent) 43,482	□ Ex	xecuted (original or copy)							
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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450  18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP) of prior application No: Prior application information: Examiner: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  Name (Print/Type) Narinder S. Banait Registration No. (Attorney/Agent) 43,482	6. Application D	6. Application Data Sheet. See 37 CFR 1.76  ADDRESS TO:							
Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP) of prior application No:/_  Prior application information: Examiner: Group/Art Unit:  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS   Name (Print/Type) Narinder S. Banait Registration No. (Attomey/Agent) 43,482					Commis P.O. Box	ssioner for Patents x 1450	1		
Continuation Divisional Continuation-in-part (CIP) of prior application No:/  Prior application information: Examiner:			opriate box and	supply the r	equisite information b	pelow and in a preliminary	amendment or in an		
For CONTINUATION OR DIVISIONAL APPS only:  The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  Customer Number  Name (Print/Type) Narinder S. Banait Registration No. (Attomey/Agent) 43,482	· · · <del></del>		tinuation-in-pa	art (CIP)	of prior applicatio	n No:/			
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Customer Number  Name (Print/Type) Narinder S. Banait Registration No. (Attomey/Agent) 43,482	Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The								
Name (Print/Type) Narinder S. Banait Registration No. (Attomey/Agent) 43,482		19. (	CORRESPO	NDENCE	ADDRESS				
Signature Mariden Round. Date Sept 8/2003	Name (Print/Type)	Narinder S. Banait			Registration No.	(Attomey/Agent)	43,482		
	Signature	Xasinder	Ban	A.		Date Sep	1 8/2003		

EV334257613US

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## Complete if Known **FEE TRANSMITTAL Application Number** Not Yet Known September 8, 2003 Filing Date for FY 2003 First Named Inventor Avetik Harutyunyan Patent fees are subject to annual revision. Examiner Name not yet known Applicant claims small entity status. See 37 CFR 1.27 Art Unit not yet known **TOTAL AMOUNT OF PAYMENT** (\$) 1128 .00 Attorney Docket No. 23085-08273

METHOD OF PAYMENT (check all that apply)					FEE CALCULATION (continued)
☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None ☐ Deposit Account:	3. AD	DITION	AL FEE	s	
Deposit Account Number 19-2555	Large I	Entity	Small	Entity	Fee Description Fee Paid
Deposit Account Name Fenwick & West LLP	Fee Code	Fee (\$)	Fee Code	Fee (\$)	
The Commissioner is authorized to: (check all that apply)	1051	130	2051	65	Surcharge - late filing fee or oath
Charge fee(s) indicated below Credit any overpayments	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet
Charge any additional fee(s) during the pendency of this	1053	130	1053	130	Non-English specification
• application	1812	2,520	1812	2,520	For filing a request for ex parte reexamination
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1804 1805	920* 1.840*	1804	920* 1,840*	Requesting publication of SIR prior to Examiner action Requesting publication of SIR after Examiner action
		•		, -	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month
1. BASIC FILING FEE	1252	410	2252 2253	205	Extension for reply within second month
Large Entity Small Entity  Fee Fee Fee Fee Description Fee Paid	1253 1254	930 1,450	2253	465 725	Extension for reply within third month  Extension for reply within fourth month
Fee Fee Fee Fee Fee Description Fee Paid  Code (\$) Code (\$)	1255	1,430	2255	985	Extension for reply within fifth month
1001 750 2001 375 Utility filing fee <b>750</b>	1401	320	2401	160	Notice of Appeal
1002 330 2002 165 Design filing fee	1402	320	2402	160	Filing a brief in support of an appeal
1003 520 2003 260 Plant filing fee	1403	280	2403	140	Request for oral hearing
1004 750 2004 375 Reissue filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding
1005 160 2005 80 Provisional filing fee <b>750</b>	1452	110	2452	55	Petition to revive - unavoidable
SUBTOTAL (1) (\$) 750.00	1453	1,300	2453	650	Petition to revive - unintentional
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501	650	Utility issue fee (or reissue)
Extra Claims Fee from Fee Paid below	1502	470	2502	235	Design issue fee
Total Claims 41 -20**= 21 X 18 = 378	1503	630	2503	315	Plant issue fee
Independent Claims 3 -3** = 0 X 0 =	1460	130	1460	130	Petitions to the Commissioner
Multiple Dependent =	1807	50	1807	50	Processing fee under 37 CFR 1.17(g)
Large Entity Small Entity	1806	180	1806	180	Submission of Information Disclosure Stmt
Fee Fee Fee Fee Description  Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))
1201 84 2201 42 Independent claims in excess of 3	1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))
1203 280 2203 140 Multiple dependent claim, if not paid	1801	750	2801	375	Request for Continued Examination (RCE)
1204 84 2204 42 **Reissue independent claims over original patent	1802	900	1802	900	Request for expedited examination of a design application
1205 18 2205 9 **Reissue claims in excess of 20 and over original patent	Other f	ee (specif	y)		
SUBTOTAL (2) (\$) 378.00					SUBTOTAL (3) (\$) 0.00
"or number previously paid, if greater; For Reissues, see above	Reduc	ed by Basic	Filing F	ee Paid	

SUBMITTED BY Complete (if applicable)					
Name (Print/Type)	Narinder S. Banait	Registration No. (Attorney/Agent)	43,482		Telephone (650) 335-7818
Signature	Nasida ?	Band.		Date	September 8/2003

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## NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)

First Named Inventor		Avetik Harutyunyan			
Title	Methods for Preparation of One- Dimensional Carbon Nanostructures				
Atty Docket Number		23085-08237			

I hereby certify that the invention disclosed in the attached application has not been and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

Narinder S. Banait / Reg. No. 43,482
Typed or printed name/Registration Number

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.